	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)									ry 2002	
BUDGET ACTIVITY 04 - Demonstration and Validation					R AND TITLE 6F Air Fo		gram Co	PROJECT 1 Cooperation 4782			
	COST (\$ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost	
4782	Air Force/National Program Cooperation (AFNPC)	2,198	2,409	8,829	3,324	0	1,846	1,880	Continuing	TBD	
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	

(U) A. Mission Description

This Program Element supports collaborative Air Force-intelligence community space efforts. At present, it funds two items that both began in FY 1999:

- 1) The AF/NRO Integration Planning Group (ANIPG) engenders greater AF-NRO synergies in R&D, operations, and programs by developing options for increasing integration across the entire range of AF and NRO space activities. ANIPG-developed recommendations on policies, plans, programs, requirements, architectures, acquisition, and resources are submitted to HQ USAF and NRO staffs and leadership for mutual agreement and implementation. Past, present, and future initiative areas include precision targeting, communications, combat identification, combat search & rescue, mission planning/rehearsal, joint acquisition, and reduction in operations personnel tempos for airborne intelligence, surveillance, and reconnaissance assets. ANIPG efforts are key facilitators for enhancing AF and NRO capabilities, increasing the cost-effectiveness of their space activities, and preventing duplication of efforts through low-cost, high-benefit initiatives. Funding level is determined by AF-NRO Memorandum of Agreement.
- 2) The Space-Based Infrared System Technical Intelligence (SBIRS TI) project develops capabilities to exploit SBIRS High sensor data for the technical intelligence mission. These enhancements provide data extraction, processing, exploitation, and dynamic sensor cross-cueing capabilities needed to meet fundamental SBIRS requirements for strategic and theater missile defense, technical intelligence, and battlespace characterization. The project assists in satisfying SBIRS Operational Requirements Document threshold requirements for real-time technical intelligence by (a) developing backup centers for remotely-controlled TI pre-processing at remote ground stations and (b) integrating SBIRS data with other intelligence source data for synergistic effects. Project designs/develops Collaborative Technical Intelligence Centerl/Back-up Technical Intelligence Center (CTIC/BTIC) which will be electronically connected into the SBIRS system. Additionally, the project develops Digital Integrated Communications Electronic System (DICES) terminals that will be used to establish connectivity among the MCS, IMCS-B, Host Ground Station, and the Technical Intelligence Centers (TIC, CTIC, and BTIC) and will be used to support launch and on-orbit testing of the Highly Elliptical Orbit (HEO) Payload.

Project 4782 Page 1 of 6 Pages Exhibit R-2 (PE 0603856F)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) BUDGET ACTIVITY 04 - Demonstration and Validation PE NUMBER AND TITLE PROJECT 0603856F Air Force/National Program Cooperation (AFNPC)

(U) A. Mission Description Continued

3) Obtained TI is used in real-time and non-real-time to maximize operational weapons system effectiveness by optimizing detection, classification/typing, and negation capabilities for warning and active defense systems. Beyond Operational Requirements Document threshold requirements, SBIRS TI efforts are meant to establish real-time and non-real-time collaborative efforts in order to maximize SBIRS tasking efforts.

The intelligence community provides additional funds for these joint projects as reported in Congressional Budget Justification Books.

(U) <u>FY 2001 (\$ in Thousands)</u>

(U) \$882 Continued technical support to the AF/NRO Integration Planning Group (ANIPG)

(U) \$1,316 Continued to develop processing capabilities to exploit SBIRS sensor data for technical intelligence

(U) \$2,198 Total

(U) FY 2002 (\$ in Thousands)

(U) \$897 Continue technical support to the AF/NRO Integration Planning Group (ANIPG)

(U) \$1,512 Continue to develop processing capabilities to exploit SBIRS sensor data for technical intelligence

(U) \$2,409 Total

(U) <u>FY 2003 (\$ in Thousands)</u>

(U) \$900 Continue technical support to the AF/NRO Integration Planning Group (ANIPG)

(U) \$7,929 Funds the Collaborative Technical Intelligence Center and the Back-up Technical Intelligence Center (CTIC and BTIC). Also funded is the

Remote TI Console at the Host Ground Station, as well as the connectivity to the Global Connectivity Service and the NSA Secure Telephone

System/Digital Integrated Communications Electronic System (NSTS/DICES).

(U) \$8.829 Total

(U) B. Budget Activity Justification

(U) This PE is in Budget Activity 4, Demonstration and Validation, because these projects involve testing and demonstrating new cooperative efforts.

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	RDT&E BUDGET ITEM JUSTI	FICATION	SHEET (F	R-2 Exh	ibit)		DATE February	2002
•	GET ACTIVITY - Demonstration and Validation		PE NUMBER A 0603856F (AFNPC)		ce/National	Program	n Cooperation	PROJECT 4782
(U)	C. Program Change Summary (\$ in Thousands)							
(U) (U) (U)	Previous President's Budget Appropriated Value Adjustments to Appropriated Value			FY 2001 2,348 2,370	FY 200 4,433 2,433	3	<u>Y 2003</u> 8,860	<u>Total Cost</u> TBD
	a. Congressional/General Reductionsb. Small Business Innovative Researchc. Omnibus or Other Above Threshold Reprogramd. Below Threshold Reprogram			-17 -150	-24	•		
(U) (U)	e. Rescissions Adjustments to Budget Years Since FY 2002 PBR Current Budget Submit/FY 2003 PBR			-5 2,198	2,409)	-31 8,829	TBD
(U)	Significant Program Changes: FY 01: Adjustments supports higher Air Force priorities. FY 02: Congressional Appropriation reduced request by \$2 reduction in both ANIPG and SBIRS TI efforts.	million for high	er transformatio	n priorities,	resulting in an a	pproximate	50% Level-of-Effort	(LOE)
(U)	D. Other Program Funding Summary (\$ in Thousands) FY 2001 Actual Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
(U)	Intelligence Community* *Not available	Estimate	Estimace	<u> Estimate</u>	<u> </u>	<u> Dstimate</u>	Complete	
(U)	E. Acquisition Strategy ANIPG activities are level of effort and use SETA support coaward fee contract.	ontracts and FFF	RDC. SBIRS TI	activities ar	re executed as pa	art of the SB	IRS High program o	n its cost plus
(U)	F. Schedule Profile		FY 2001		FY 2	2002	<u>FY</u>	<u>2003</u>
P	Project 4782	Pag	e 3 of 6 Pages				Exhibit R-2 (Pl	0603856F)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DAT	February 2002				
	GET ACTIVITY - Demonstration and Validation	06038	PE NUMBER AND TITLE 0603856F Air Force/National Program (AFNPC)							Cooperation			
(U) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D	ANIPG Efforts: Program support and studies in support of AF and NRO Collaborative SBIRS TI Capability Development: Global Connectivity Service Complete NSTS/DICES (see note) Complete Remote Technical Intelligence Console IOC CTIC/BTIC Design & Development (see note) Engineering Complete * = Completed Event X = Planned Event Note: SBIRS TI acronyms are as follows: NSTS/DICES - National Security Agency (NSA) Secure Telephone CTIC/BTIC - Collaborative Technical Intelligence Center / Backup	•	2 / Digital I	_		1 X	2	2002 3	4 stem	1 X	FY 2 2	2003 3 X X X X	4
F	Project 4782	Pag	e 4 of 6 Pa	ages						Exhibit	R-2 (PE	06038	856F)

	RDT&E PROG	RAM ELE	MENT/P	ROJECT (COST BF	REAKDO	WN (R-3)		DATE F (ebruary 2	2002
	GET ACTIVITY Demonstration and \	/alidation				ER AND TITLE 56F Air Fo C)	rce/Natior	nal Progra	m Coope	ration	PROJECT 4782
(U)	A. Project Cost Breakdown	ı (\$ in Thousand	<u>ls</u>)								
(U) (U) (U)	Technical support to the AF/ Develop processing capability Total	ty to exploit SBI	RS data for T	I	do)		1,	2 <u>001</u> 882 316 198	FY 20 89 1,51 2,40)7 2	FY 2003 1,626 7,203 8,829
(U)	B. Budget Acquisition History	•	g Informatio	n (\$ in Thousa	<u>nas)</u>						
(U)	Performing Organizations: Contractor or Government Performing Activity Product Development Organi (U) SMC Support and Management Or (U) ANIPG Test and Evaluation Organiza Not Applicable	Contract Method/Type or Funding Vehicle izations MIPR ganizations MIPR	Award or Obligation Date 12/98 10/98	Performing Activity EAC 14,177 Continuing	Project Office EAC 14,177 Continuing	Total Prior to FY 2001 1,852 2,150	Budget FY 2001 1,316 882	Budget FY 2002 1,512 897	Budget FY 2003 7,929 900	Budget to Complete 1,568 Continuing	
(U)	Item Description Product Development Proper None Support and Management Pro None	Contract Method/Type or Funding Vehicle	Award or Obligation Date	<u>Delivery</u> <u>Date</u>		Total Prior to FY 2001	Budget FY 2001	Budget FY 2002	Budget FY 2003	Budget to Complete	
Р	roject 4782			P	age 5 of 6 Pag	ges			Exhib	it R-3 (PE ()603856F)

RDT&E PROGRAM ELEMENT/PRO	DATE F 6	February 2002				
BUDGET ACTIVITY O4 - Demonstration and Validation	PE NUMBER AND TITLE 0603856F Air For (AFNPC)	rce/Natior	nal Progra	т Сооре	ration	PROJECT 4782
Test and Evaluation Property None Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project	Total Prior to FY 2001 1,852 2,150 4,002	Budget FY 2001 1,316 882 2,198	Budget FY 2002 1,512 897 2,409	Budget FY 2003 7,929 900 8,829	Budget to Complete 1,568 TBD TBD	Progra
Project 4782	Page 6 of 6 Pages			Exhib	it R-3 (PE 0)603856F)